

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of
MARTIN WEIBRECHT ET AL.

Atty. Docket
DE 000186

Filed: CONCURRENTLY
METHOD OF REPRODUCING A GRAY SCALE IMAGE IN COLORS

Commissioner for Patents, Washington, D.C. 20231

PRELIMINARY AMENDMENT

Sir:

Prior to calculation of the filing fee and examination, please amend the above-identified application as follows:

IN THE CLAIMS

Please amend the claims as follows:

3. A method as claimed in claim 1, characterized in that different color values are assigned to each time two successive shades of gray.

4. A method as claimed in claim 3, characterized in that the assignment between shades of gray and color values is bijective.

5. A method as claimed in claim 4, characterized in that a recurrent series of $m \leq n$ different color values $((x_1, y_1), \dots, (x_m, y_m))$ is assigned to the n shades of gray in an ascending order.

6. A method as claimed in at least claim 5, characterized in that the reproduction of the gray scale image in colors takes place on a color monitor (6), the assignment between shades of gray on the one side and color values (x, y) and brightness (Y) on the other side being adapted to the dynamic range of the monitor.

9. A device for reproducing a gray scale image in colors, which device includes a transformation unit (3) which assigns a color value (x, y) and a brightness (Y) of the display to each shade of gray (2), characterized in that the transformation unit is arranged in such a manner that it is capable of carrying out a method as claimed in claim 8.

REMARKS

The foregoing amendments to claims 3-6, and 9 were made solely to avoid filing the claims in their multiple dependent form so as to avoid the additional filing fee.

The claims were not amended in order to address issues of patentability and Applicant respectfully reserves all rights she may have under the Doctrine of Equivalents. Applicant furthermore reserves her right to reintroduce subject matter deleted herein at a later time during the prosecution of this application or continuing applications.

Respectfully submitted,

By _____
Michael E. Marion, Reg. 32,266
Attorney
(914) 333-9641

APPENDIX

3. A method as claimed in ~~one of the claims 1 or 2~~ claim 1, characterized in that different color values are assigned to each time two successive shades of gray.

4. A method as claimed in ~~at least one of the claims 1 to 3~~ claim 3, characterized in that the assignment between shades of gray and color values is bijective.

5. A method as claimed in ~~at least one of the claims 1 to 4~~, characterized in that a recurrent series of $m \leq n$ different color values $((x_1, y_1), \dots, (x_m, y_m))$ is assigned to the n shades of gray in an ascending order.

6. A method as claimed in ~~at least one of the claims 1 to 5~~, characterized in that the reproduction of the gray scale image in colors takes place on a color monitor (6), the assignment between shades of gray on the one side and color values (x, y) and brightness (Y) on the other side being adapted to the dynamic range of the monitor.

9. A device for reproducing a gray scale image in colors, which device includes a transformation unit (3) which assigns a color value (x, y) and a brightness (Y) of the display to each shade of gray (2), characterized in that the transformation unit is arranged in such a manner that it is capable of carrying out a method as claimed in ~~one of the claims 1 to 8~~.